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(54) Title: **METHOD AND SYSTEM FOR RAPIDLY CONFERRING A DESIRED TRAIT TO AN ORGANISM**

(57) Abstract: A method is provided for regulating the conversion rate of a hereditary trait of a cell, comprising the step of regulating the error-prone frequency of gene replication of the cell. A method is provided for producing a cell having a regulated hereditary trait, comprising the step of (a) regulating an error-prone frequency of gene replication of the cell, and (b) reproducing the resultant cell. A method is provided for producing an organism having a regulated hereditary trait, comprising the steps of (a) regulating the error-prone frequency of gene replication of the organism, and (b) reproducing the resultant organism.



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